


Amendments to the Claims

This listing of claims will replace all prior versions,
and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) Method for protecting data communication traffic ~~through a communication link~~ between a first communication station (11) and a second communication station (12), in which the data is dispatched according to a data protocol from the second communication station to the first communication station, comprising the steps of:

(i) receiving the data from the second communication station (12) in a data communication protection device (10),

 the protection device having i) a first input for connection to an incoming communication line receiving the data communication from the second communication station, ii) a second input for connection to the first communication station, iii) a comparison and forwarding module connected intermediate the first input and the second input and establishing a physical communication link between the first input and the second input, and iv) a memory connected to the comparison and forwarding module, the memory unit storing characteristics of a standardized communications protocol of first communication device,

the comparison and forwarding module configured to compare the standardized communications protocol to a data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized communications protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized communication protocol;

(ii) comparing the data protocol of the data with at least one the standardized communication protocol in the data communication protection device (10), characterized by

(iii) ~~providing the data communication protection device (10) in the communication link, the data from the second communication station (12) to the first communication station (11) passing through the data communication protection device (10); and~~

(iv) forwarding data of which the data protocol complies with the ~~at least one~~ standardized communication protocol from the data communication protection device (10) to the first communication station (11), and not forwarding data of which the data protocol does not comply with the ~~at least one~~ standardized communication protocol from the data communication protection device to the first communication station by

physically opening ~~interrupting~~ the communication link within the protection device to prevent communications between the first communication station (11) and the second communication station (12).

2. (original) Method according to Claim 1, characterized in that, after it has emerged during the comparison of the data protocol that the latter does not comply with the at least one standardized protocol, a warning is generated.

3. (previously presented) Method according to claim 1, characterized in that, after it has emerged during the comparison of the data protocol that the latter does not comply with the at least one standardized protocol, a data file containing data of the data communication traffic and the second communication station (12) is stored.

4. (currently amended) Data communication protection device (10) arranged for protecting data communication traffic between a first communication station (1) and a second communication station (12), data being dispatched according to a data protocol from the second communication station to the first communication station, the data communication protection device comprising:

a first input for connection to an incoming communication line receiving the data communication from the second communication station;

a second input for connection to the first communication station;

a comparison and forwarding module connected intermediate the first input and the second input and establishing a physical communication link between the first input and the second input; and

a memory connected to the comparison and forwarding module,

the memory unit storing characteristics of a standardized communications protocol of first communication device,

the comparison and forwarding module configured to compare the standardized communications protocol to a data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized communications protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized communication protocol

~~memory means (14) for storing data characteristics of at least one standardized protocol, the data communication protection device (10) further being arranged for comparing the data protocol of the data with the at least one standardized protocol, characterized in that the data communication protection device (10) further comprises~~

~~a first link for linking the data communication protection device (10) to the first communication station (11), and a second link for linking the data communication protection device (10) to the second communication station (12), the data passing from the second communication station to the first communication station through the data communication protection device;~~

~~comparison/forwarding means (15) for forwarding data received through the second link of which the data protocol complies with the at least one standardized protocol from the data communication protection device (10) through the first link, and not forwarding data of which the data protocol does not comply with the at least one standardized protocol from the data communication protection device (10) through the first link by physically interrupting the communication link between the first communication station (11) and the second communication station (12).~~

5. (original) Data communication device according to Claim 4, characterized in that the device furthermore comprises warning means (16) linked to the comparison/forwarding means (15) which give a warning after it has emerged during the comparison of the data protocol that it does not belong to the at least one standardized protocol.

6. (previously presented) Device according to Claim 4, characterized in that the device furthermore comprises display means (17) linked to the comparison/forwarding means (15), the display means (17) displaying data relating to the data communication traffic and the second communication station (12), which data are stored after it has emerged during the comparison of the data protocol that the latter does not comply with the at least one standardized protocol.

7. (original) Device according to Claim 6, characterized in that the device furthermore comprises input means (18) linked to the comparison/forwarding means (15) for inputting commands relating to the display of the data.

8. (previously presented) Device according to Claim 4, characterized in that the device comprises interface means for exchanging data relating to the data communication traffic and

the second communication station (12) with an external processing device, which data are stored after it has emerged during the comparison of the data protocol that the latter does not comply with the at least one standardized protocol.

9. (previously presented) Device according to Claim 4, characterized in that the device (10) is integrated in the first communication station (11).

10. (new) A remote diagnostics and protective device, comprising:

a first input for connection to an incoming communication line;

a second input for connection to a communication apparatus;

a comparison and forwarding module connected intermediate the first input and the second input and establishing a physical communication link between the first input and the second input; and

a memory connected to the comparison and forwarding module,

the memory unit storing characteristics of a standardized communication protocol,

the comparison and forwarding module configured to compare the standardized communication protocol to a data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized communication protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized communication protocol.

11. (new) The device of claim 10, wherein when the comparison and forwarding module opens the communication link, a data file of the incoming data is stored in the memory.

12. (new) The device of claim 10, wherein,
the first input is for connection to an incoming telephone line;

the second input is for connection to a telefax machine; and

the memory unit stores characteristics of a standardized protocol of telefax communication,

the comparison and forwarding module is configured to compare the standardized telefax protocol to the data protocol of incoming data from the first input, and i) to forward the

incoming data to the second input when the comparison determines the data protocol conforms with the standardized telefax protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized telefax protocol.

13. (new) The device of claim 12, wherein when the comparison and forwarding module opens the communication link, a data file of the incoming data is stored in the memory.

14. (new) The device of claim 10, wherein,
the first input is for connection to an incoming telephone line;

the second input is for connection to a photocopy machine; and

the memory unit stores characteristics of a standardized protocol of photocopy communication,

the comparison and forwarding module is configured to compare the standardized photocopy protocol to the data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized photocopy protocol and ii) to physically open the communication link when

the comparison determines the data protocol fails to conform with the standardized photocopy protocol.

15. (new) The device of claim 14, wherein when the comparison and forwarding module opens the communication link, a data file of the incoming data is stored in the memory.

16. (new) The device of claim 10, wherein,
the first input is for connection to an incoming communication line;

the second input is for connection to a telefax machine; and

the memory unit stores characteristics of a standardized protocol of telefax communication,

the comparison and forwarding module is configured to compare the standardized telefax protocol to the data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized telefax protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized telefax protocol.

17. (new) The device of claim 16, wherein when the comparison and forwarding module opens the communication link, a data file of the incoming data is stored in the memory.

18. (new) The device of claim 10, wherein,
the first input is for connection to an incoming communication line;

the second input is for connection to a photocopy machine; and

the memory unit stores characteristics of a standardized protocol of photocopy communication,

the comparison and forwarding module is configured to compare the standardized photocopy protocol to the data protocol of incoming data from the first input, and i) to forward the incoming data to the second input when the comparison determines the data protocol conforms with the standardized photocopy protocol and ii) to physically open the communication link when the comparison determines the data protocol fails to conform with the standardized photocopy protocol.

19. (new) The device of claim 18, wherein when the comparison and forwarding module opens the communication link, a data file of the incoming data is stored in the memory.

20. (new) The device of claim 10, wherein the
standardized communication protocol is other than a TCP/IP
protocol component.
